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Water-Data Report 2008

**403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, UT**

Great Salt Lake Basin  
Rush-Tooele Valleys Subbasin

LOCATION.--Lat 40°32'58", long 112°12'32" referenced to North American Datum of 1927, in SE ¼ NE ¼ NW ¼ sec.20, T.3 S., R.3 W., Tooele County, UT, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Owned by Kennecott Utah Copper. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3.0 ft<sup>3</sup>/s, Jun 2, 2001; minimum discharge, 0.16 ft<sup>3</sup>/s, Nov 30, Dec 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2.7 ft<sup>3</sup>/s, Jun 23; minimum daily discharge, 0.34 ft<sup>3</sup>/s, on several days.

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403258112123201 BIG SPRING IN PINE CANYON NEAR TOOKEE, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.58	0.55	0.54	0.41	0.34	0.40	0.48	e0.66	1.8	e2.0	e0.39	e0.46
<b>2</b>	0.58	0.55	0.53	0.40	0.34	0.39	0.48	e0.68	1.9	e2.0	e0.38	e0.47
<b>3</b>	0.57	0.55	0.51	0.41	0.34	0.37	0.49	e0.69	1.9	e1.9	e0.38	e0.48
<b>4</b>	0.53	0.55	0.51	e0.39	0.35	0.37	0.51	e0.70	1.9	e1.8	e0.37	e0.48
<b>5</b>	0.52	0.55	0.51	e0.37	0.35	0.37	0.53	e0.70	2.0	e1.7	e0.36	e0.49
<b>6</b>	0.55	0.53	0.51	0.35	0.36	0.37	0.55	e0.71	2.0	e1.6	e0.35	e0.50
<b>7</b>	0.53	0.51	0.54	0.35	0.35	0.37	0.57	e0.75	2.0	e1.5	e0.36	e0.51
<b>8</b>	0.51	0.51	0.53	0.35	0.35	0.39	0.56	e0.84	2.0	e1.4	e0.36	e0.52
<b>9</b>	0.51	0.51	0.51	0.35	0.36	0.40	0.57	e0.89	2.0	e1.4	e0.36	e0.53
<b>10</b>	0.51	0.51	0.51	0.34	0.37	0.43	0.60	e0.90	2.0	e1.3	e0.37	e0.54
<b>11</b>	0.51	0.53	0.51	0.35	0.37	0.43	0.51	e0.92	e2.0	e1.2	e0.37	e0.55
<b>12</b>	0.51	0.51	0.51	0.35	e0.35	0.43	0.51	e0.95	e2.0	e1.2	e0.37	e0.55
<b>13</b>	0.51	0.51	0.51	0.35	e0.36	0.45	0.51	e1.0	e2.1	e1.1	e0.37	e0.56
<b>14</b>	0.51	0.51	0.51	0.35	e0.36	0.46	0.52	e1.1	e2.3	e1.1	e0.38	e0.57
<b>15</b>	0.51	0.51	0.51	0.35	e0.35	0.46	0.52	e1.2	e2.2	e1.0	e0.38	e0.58
<b>16</b>	0.52	0.51	0.50	0.35	e0.35	0.46	0.51	e1.3	e2.4	e0.95	e0.38	e0.59
<b>17</b>	0.55	0.51	0.48	0.35	e0.35	0.46	0.51	e1.5	e2.3	e0.90	e0.38	e0.60
<b>18</b>	0.55	0.51	0.48	0.35	0.37	0.46	0.53	e1.6	e2.1	e0.80	e0.38	e0.61
<b>19</b>	0.54	0.51	0.48	0.35	0.37	0.47	0.54	e1.7	e2.5	e0.75	e0.38	e0.62
<b>20</b>	0.55	0.52	0.47	0.35	0.37	0.49	0.54	e1.7	2.3	e0.70	e0.38	e0.63
<b>21</b>	0.55	0.52	0.48	0.35	0.37	0.48	e0.50	e1.8	2.4	e0.65	e0.38	e0.64
<b>22</b>	0.55	0.51	0.47	0.35	0.35	0.48	e0.50	e1.9	2.6	e0.60	e0.39	e0.65
<b>23</b>	0.55	0.51	0.46	0.35	0.35	0.48	e0.51	e1.9	2.7	e0.55	e0.39	e0.66
<b>24</b>	0.55	0.51	0.47	0.34	0.38	0.48	e0.52	e1.8	2.6	e0.50	e0.40	e0.67
<b>25</b>	0.55	0.51	0.47	0.35	0.40	0.49	e0.56	e1.7	e2.4	e0.48	e0.41	e0.69
<b>26</b>	0.55	0.55	0.46	0.35	0.39	0.45	e0.58	e1.7	e2.3	e0.47	e0.41	e0.70
<b>27</b>	0.55	0.55	0.46	0.35	0.39	0.46	e0.60	1.6	e2.2	e0.44	e0.42	e0.71
<b>28</b>	0.55	0.55	0.46	0.35	0.40	0.46	e0.61	1.6	e2.2	e0.41	e0.43	e0.72
<b>29</b>	0.55	0.55	0.46	0.35	0.40	0.45	e0.63	1.7	e2.1	e0.40	e0.44	e0.73
<b>30</b>	0.55	0.53	0.46	0.35	---	0.47	e0.65	1.7	e2.1	e0.40	e0.44	e0.74
<b>31</b>	0.55	---	0.44	0.34	---	0.49	---	1.8	---	e0.40	e0.45	---
<b>Total</b>	16.70	15.74	15.25	11.05	10.54	13.62	16.20	39.69	65.3	31.60	12.01	17.75
<b>Mean</b>	0.54	0.52	0.49	0.36	0.36	0.44	0.54	1.28	2.18	1.02	0.39	0.59
<b>Max</b>	0.58	0.55	0.54	0.41	0.40	0.49	0.65	1.9	2.7	2.0	0.45	0.74
<b>Min</b>	0.51	0.51	0.44	0.34	0.34	0.37	0.48	0.66	1.8	0.40	0.35	0.46
<b>Ac-ft</b>	33	31	30	22	21	27	32	79	130	63	24	35

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001-2008, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	0.66	0.58	0.54	0.49	0.47	0.52	0.92	1.71	1.68	0.94	0.77	0.74
<b>Max</b>	0.93	0.81	0.73	0.65	0.63	0.71	1.67	2.40	2.52	1.77	1.36	1.14
(WY)	(2006)	(2006)	(2006)	(2006)	(2007)	(2007)	(2004)	(2006)	(2005)	(2005)	(2005)	(2005)
<b>Min</b>	0.45	0.30	0.28	0.34	0.35	0.40	0.54	0.93	0.84	0.43	0.39	0.48
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2007)	(2003)	(2008)	(2003)

**SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 2001-2008</b>	
<b>Annual total</b>	257.17	265.45		
<b>Annual mean</b>	0.70	0.73	0.83	
<b>Highest annual mean</b>			1.11	2006
<b>Lowest annual mean</b>			0.55	2003
<b>Highest daily mean</b>	1.8	May 12	2.7	May 31, 2005
<b>Lowest daily mean</b>	0.35	Jul 2	0.34	Jan 10
<b>Annual seven-day minimum</b>	0.36	Jun 29	0.34	Jan 28
<b>Annual runoff (ac-ft)</b>	510	527	601	
<b>10 percent exceeds</b>	1.1	1.8	1.7	
<b>50 percent exceeds</b>	0.62	0.51	0.64	
<b>90 percent exceeds</b>	0.48	0.35	0.38	

